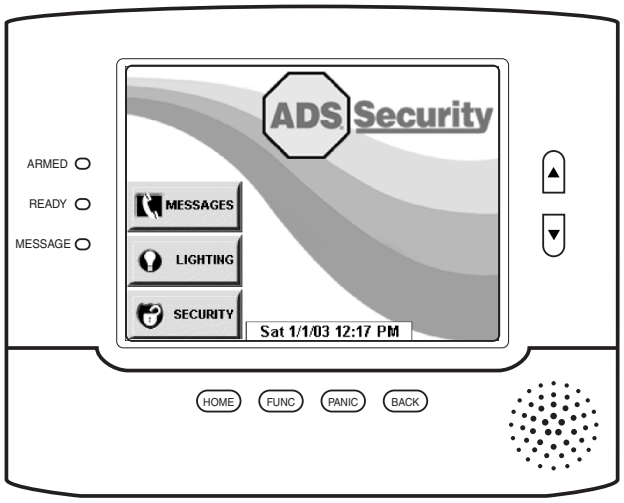
FA700KP-ADS TouchCenter Keypad

Installation and Setup Guide



ADS Security
We protect what you treasure most

TN LIC#: C-0183 C-0180 C-0685
AL LIC#: 001 072 073 080 094 151 403
GA LIC#: LVA205166

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Conventions Used in This Manual

Before you begin using this manual, it is important that you understand the meaning of the following symbols (icons) and text note.

UL These notes include specific information that must be followed if you are installing this system for a UL Listed application.

This symbol indicates a critical note that could seriously affect the operation of the system, or could cause damage to the system. Please read each warning carefully. This symbol also alerts the user to the possibility of physical harm if instructions are not followed as written.

These notes include information that you should be aware of before continuing with the installation, and which, if not observed, could result in operational difficulties.

Note: These text notes are provided throughout the manual to provide informative information and shortcut tips for the installer.

General Information

In This Section

- *About the FA700KP-ADS*
- *System Features*

About the FA700KP-ADS

The FA700KP-ADS is an intuitive, graphical touch-screen keypad that combines security and home control. The FA700KP-ADS can be used for:

- Quick and easy security system operation
- Messages
- Control of the home environment, including lights and contains provisions for the future control of heating and air-conditioning.

UL The home environment control feature has not been evaluated by UL.

System Features

Security

- Arm System
  - Away
  - Stay
  - Night
- Disarm System
- User Codes - Allows authorized user to add or delete codes
- Bypass Zones

Setup

- Volume

- Contrast
- Diagnostics
- Keypad Emulation

Compatibility

The below listing identifies the alarm systems that the FA700KP-ADS can interface with, the maximum number of FA700KP-ADSs that can be used with each system, and the minimum alarm panel software revision level for compatibility.

ALARM SYSTEM	MAXIMUM NUMBER OF FA700KP-ADSs	MINIMUM SOFTWARE REVISION LEVEL
FA148CP	2	3 (When available)
FA168CPS	2	All Levels
FA1660C	3	2.4
FA1700C	1	1.5

ECP Error

The message "ECP Error" will be displayed at the top of the screen (except for the Home screen) when the FA700KP-ADS cannot communicate with the alarm panel. This may be caused by and incorrect ECP address in the FA700KP-ADS or because AUI type devices have not been enabled in the panel. While this message is being displayed, you must use the FA700KP-ADS default code of "4140" any time the FA700KP-ADS requests an authorized code.

SECTION 2

Mounting and Wiring

In This Section

- *Mounting the FA700KP-ADS*
- *Wiring the FA700KP-ADS*

Mounting the FA700KP-ADS

The FA700KP-ADS should be mounted using the following criteria:

- The FA700KP-ADS must be mounted **indoors**, and
- should be mounted at eye level for easy viewing by the user.

To mount the FA700KP-ADS, see Figure 1 and complete the following steps:

1. Detach the case back by pushing up into the two tabs located at the bottom of the FA700KP-ADS with the blade of a screwdriver while pulling the case back and case front apart.
2. Locate the case back over the mounting surface such that the opening in the case back is aligned with the wire/cable access opening (in the mounting surface) while passing the wires/cable through the opening in the case back.
3. Secure the case back to the mounting surface using four screws (supplied).

Prior to attaching the case front to the case back, be sure to wire the FA700KP-ADS as described in the "*Wiring the FA700KP-ADS*" paragraph in this section.

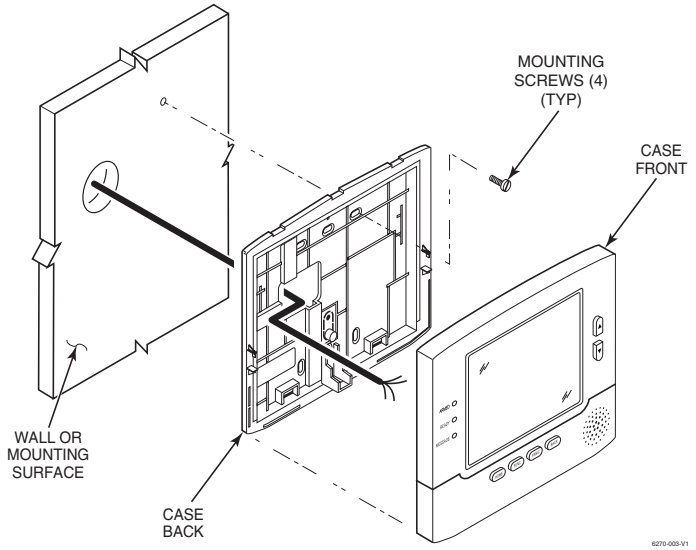


Figure 1. Mounting the FA700KP-ADS

Wiring the FA700KP-ADS

Connect FA700KP-ADS in parallel with keypads and other peripheral devices using the keypad data (ECP) bus. To wire, see the Summary of Connections diagrams at the back of this guide, or the appropriate Systems Interconnection Diagram provided, and follow the instructions below.

UL

- The FA700KP-ADS must be used in conjunction with a second keypad that is powered by the control panel.
- Use a Listed Class 2 power supply suited for the application.

Unshielded 4-conductor cable is recommended for the power/data wire.

Connect the wires to the FA700KP-ADS terminal block as follows:

1. The FA700KP-ADS has holding clips on the case back to hold the case front while you are wiring the unit. Hang the case front on the holding clips as shown in Figure 2.

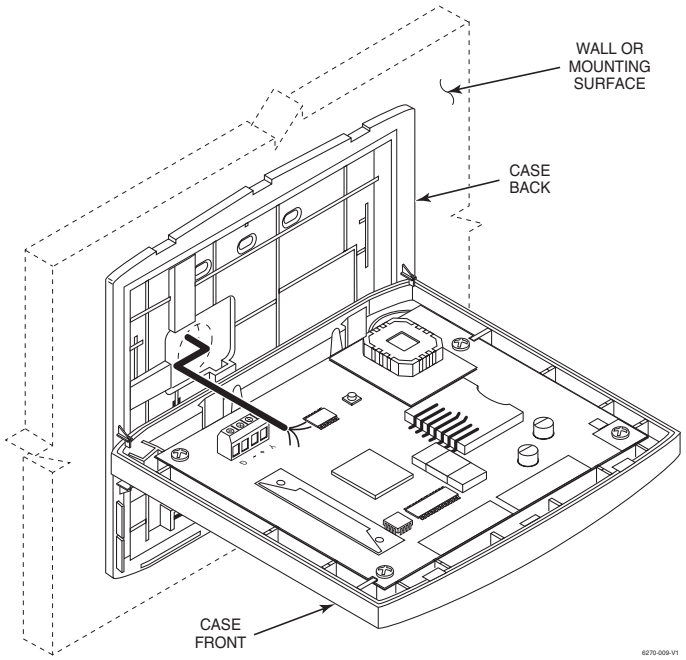


Figure 2. Wiring Preparation

2. Connect the + terminal of the supplementary power supply to terminal block position 2 (+12VDC terminal of the FA700KP-ADS (red wire)).

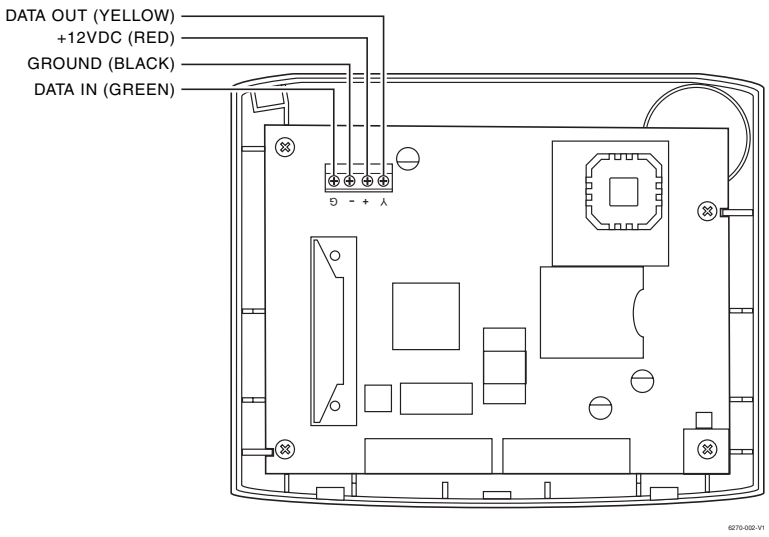


Figure 3. Wiring the FA700KP-ADS

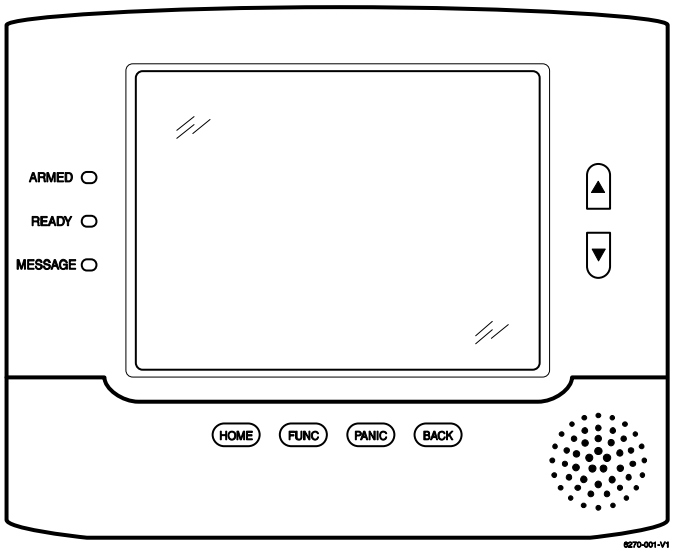
3. Connect the AUX – terminal of the control panel to the (–) terminal of the supplementary power supply (black wire).
4. Connect the (–) terminal of the supplementary power supply to terminal block position 3 (GND terminal of the FA700KP-ADS (black wire)).
5. Connect Data Out terminal of the control panel to terminal block position 1 (Data In terminal of the FA700KP-ADS (yellow wire)).
6. Connect the Data In terminal of the control panel to header terminal block position 4 (Data Out terminal of the FA700KP-ADS (green wire)).
7. Attach the case front of the FA700KP-ADS to the case back. Attach the top of the case first, and then press the bottom section inward until it snaps into place securely.

Front Panel LEDs and Buttons

In This Section

- *Front Panel LEDs*
- *Front Panel Buttons*

Front Panel LEDs



Front Panel LEDs and Buttons

LED	DESCRIPTION
ARMED	ON – Security system is armed. OFF – Security system is not armed.
READY	ON – Security system is disarmed and ready to arm. OFF – Security system is armed or disarmed but not ready. If disarmed, faults or troubles are present.
MESSAGE	FLASHING – The FA700KP-ADS contains message(s) for the User OFF – No messages.

Front Panel Buttons

BUTTON	DESCRIPTION
HOME	Used to return to the HOME screen display from any sub-menus.
FUNC	Reserved for future use.
PANIC	Used to display the EMERGENCY screen (Fire or Panic signal generation).
BACK	Used to exit the current screen display and return to the prior screen display.
▲	Used to scroll through screen lists in an upward direction.
▼	Used to scroll through screen lists in a downward direction.

SECTION 4

Initial Setup

In This Section

- *Programming the Conrol Panel*
- *FA700KP-ADS Initialization*
- *How to Change the ECP Address*
- *How to Access the Central Station Screen*
- *FA700KP-ADS Setup*
- *Setting Chime Mode On/Off*

Programming the Control Panel

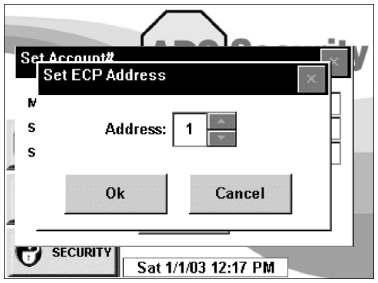
The FA700KP-ADS will not be fully operational unless its address in the control panel has been enabled for an alpha console, AUI type device, and assigned to a partition (where applicable).

Two FA700KP-ADSs may be used (addresses 1 and 2). These addresses (in field *189) are enabled by default. If the defaults have been changed, enable these addresses (in field *189) using an alpha-keypad and the Data Field Programming procedures located in the panel Installation and Setup Guide.

FA700KP-ADS Initialization

Power Up

When initially powered, the screen displays the boot sequence as it is performed. After it is determined what services are available, the screen displays the Set ECP Address screen.

SCREEN	ACTION
	If the system is incorporating only one FA700KP-ADS, leave the address set to 1 and press the **OK** button. The boot-up process will continue until completion. If there are to be additional FA700KP-ADS units in the system, refer to the *How to Change the ECP Address* paragraph.

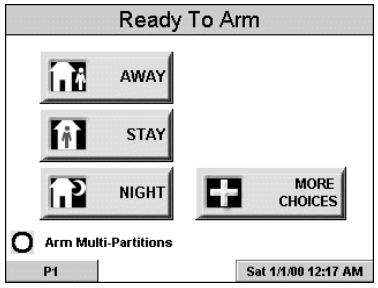
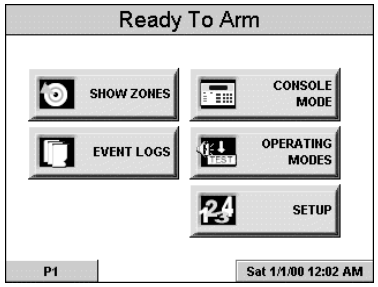
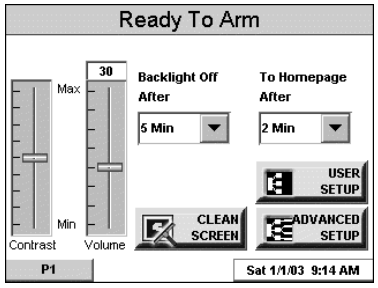
How to Change the ECP Address

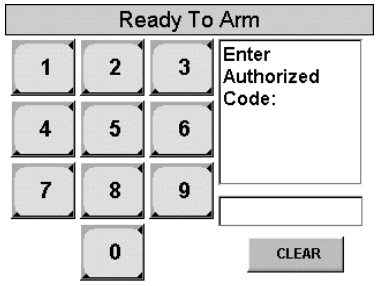
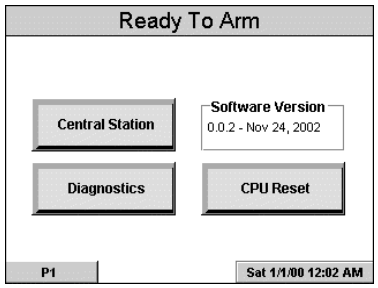
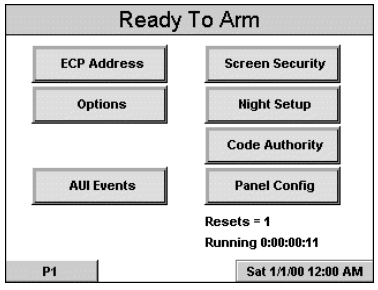
After enabling addresses in the control panel using an alpha-keypad, power up each FA700KP-ADS one at a time, and set its address to one of the addresses you enabled in the control panel. If this is a first time power-up of the unit, follow the initialization procedure in this section. Otherwise, access the Central Station screen then follow the procedure to change the address on the unit.

How to Access the Central Station Screen

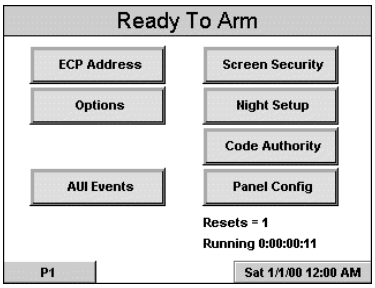
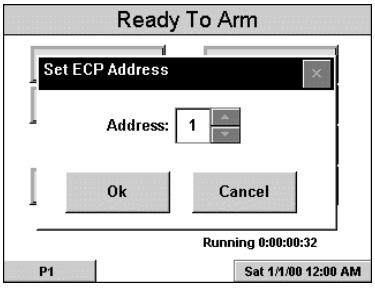
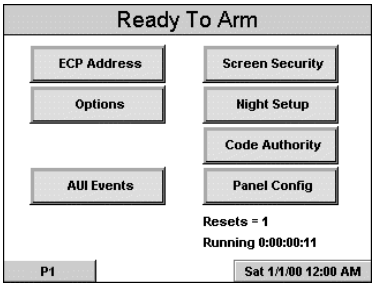
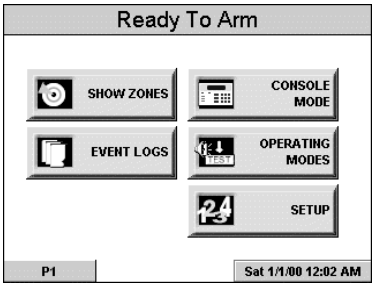
To Access the "Central Station" screen perform the following:

1. Press the **SECURITY** button on the "Home" screen. The "Arming" screen is displayed.

SCREEN	ACTION
	2. Press the **MORE CHOICES** button. The "More Choices" screen is displayed.
	3. Press the **SETUP** button on the "More Choices" screen. The "Setup" screen is displayed.
	4. Press the **ADVANCED SETUP** button. The **Enter Authorized Code:** authorization screen is displayed.

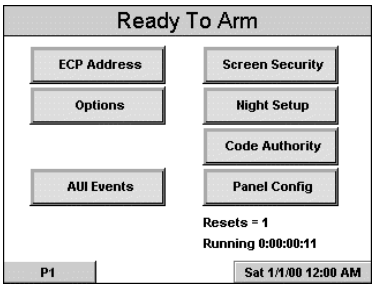
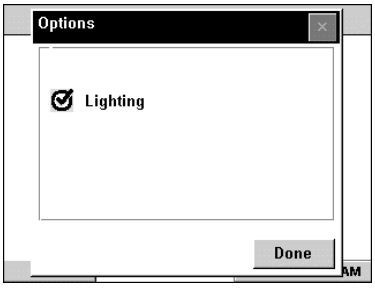
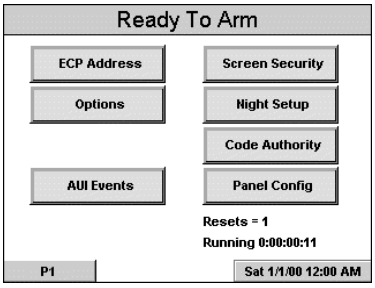
SCREEN	ACTION
	5. Enter your 4-digit Installer code. The "Advanced Setup" menu screen is displayed. **Note:** If the top of the screen is displaying ECP Error, the ECP address in the FA700KP-ADS is not valid for the panel that it is connected to. To change the ECP address in the FA700KP-ADS when ECP Error is being displayed, enter the FA700KP-ADS default code of "4140" to advance to the next screen.
	6. Press the **Central Station** button. The "Central Station" menu screen is displayed.
	

To change the address, perform the following.

SCREEN	ACTION
	1. On the “Central Station” screen press the ECP Address button. A pop-up window is displayed with options for selecting the FA700KP-ADS's ECP address.
	2. The available ECP addresses are 1 or 2. Select the ECP address for this FA700KP-ADS using the Up/Dn arrows. Press the **OK** button to accept the address setting or the **CANCEL** button to maintain the original ECP address. The FA700KP-ADS goes to the "Central Station" menu screen.
	3. Press the "Back" button <u>three times</u> to save the new address. The "More Choices" screen is displayed.
	

How to Select System Options

The system options allow you to place buttons on the "Home" screen. The **SECURITY** and **MESSAGES** buttons are always displayed and cannot be removed. A Lighting button can also be added to the "Home" screen. To avoid confusion to the user, only buttons whose options are functional in the system should be displayed. To select the system options, do the following:

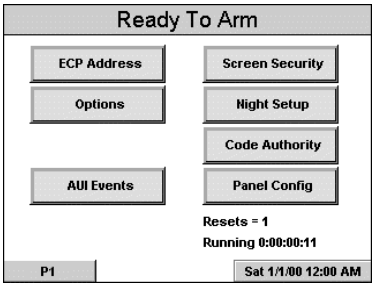
SCREEN	ACTION
	1. On the "Central Station" screen press the **Options** button. A pop-up window is displayed with an option for selecting **Lighting**.
	2. Touch the Lighting button to turn the Lighting option on or off. A checkmark appears in the button with the Lighting option is "ON". Press the **DONE** button to accept the setting. The FA700KP-ADS returns to the "Central Station" menu screen.
	

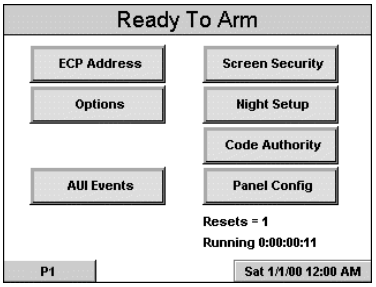
How to Set the NIGHT Setup Button Function

The NIGHT button can be set to arm the system in one of four arming modes:

- Away - When selected, arms all zones with entry delay.
- Stay - When selected, arms perimeter zones with entry delay.
- Instant - When selected, arms perimeter zones without entry delay.
- Maximum - When selected, arms all zones without entry delay.

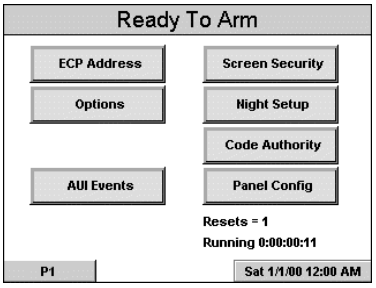
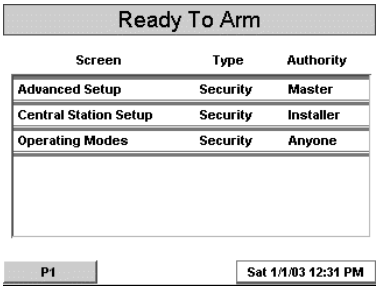
To set the NIGHT button function, do the following:

SCREEN	ACTION
	1. On the “Central Station” screen press the **Night Setup** button. A Night Setup: pop-up window is displayed with options for selecting Away, Stay, Instant, and Maximum.
	2. Select the arming mode that will be activated by pressing the **NIGHT** button on the "Arming" screen. Press the **Ok** button to accept the setting, or press the **Cancel** button to cancel your selection. In either case the FA700KP-ADS goes to the "Central Station" menu screen.

SCREEN	ACTION
	

How to View and Edit Screen Security

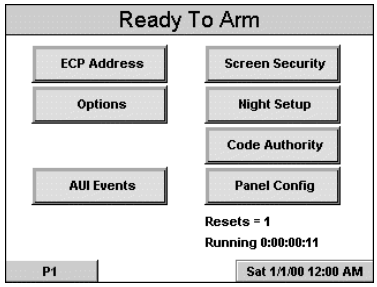
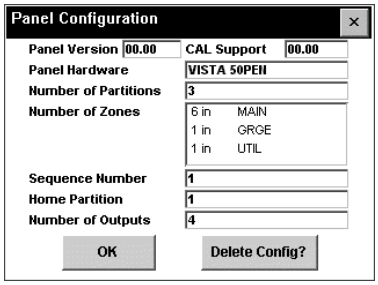
The **Screen Security** button displays a screen that lists the various screen classes in the FA700KP-ADS and lists what level user has been given access to them. To view and/or edit screen security, do the following:

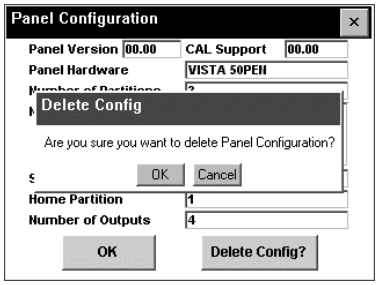
SCREEN	ACTION
	1. On the "Central Station" screen, press the **Screen Security** button. A listing of the classes of screens and the user level that has access to them will be displayed.
	2. If the listing is correct, depress the **BACK** button to return to the "Central Station" screen. If changes are necessary, select the line to be changed and a Setup screen will be displayed. **Note:** The Setup screen contains a heading of Advanced Setup, Central Station Setup, or Operating Modes indicating which line was selected for change.

SCREEN	ACTION
	3. Select the level of user who is to have access to the selected class of screens and then select the **OK** button. The Screen Security screen will be re-displayed listing the change. Depress the **BACK** button to return to the "Central Station" screen.

How to View the Panel Configuration

The **Panel Config** button displays a screen that contains the configuration of the panel that the FA700KP-ADS is connected to. To view the panel configuration, do the following:

SCREEN	ACTION
	1. On the "Central Station" screen press the **Panel Config** button. A Panel Configuration screen will be displayed providing details of your system.
	2. Depress the **OK** button to return to the "Central Station" screen or if you desire to clear the configuration from the FA700KP-ADS and have it reload the panel configuration into the FA700KP-ADS from the panel, depress the **Delete Config?** button. After you depress the **Delete Config?** button, a confirmation screen is displayed.

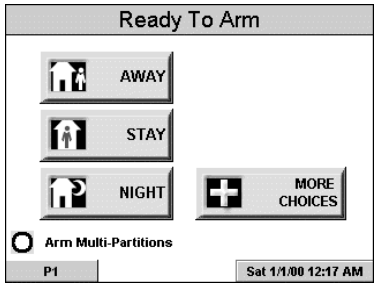
SCREEN	ACTION
	3. Select **OK** to delete the configuration or **Cancel** to return to the "Panel Configuration" screen. If you select OK, the FA700KP-ADS will be reset and the panel configuration will be downloaded from the panel into the FA700KP-ADS. After the reset and download is complete, the "Home" screen is displayed.

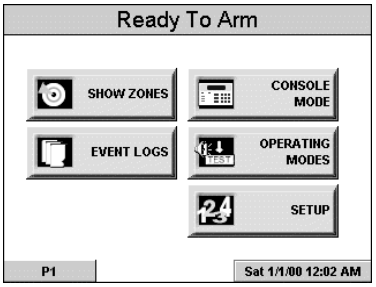
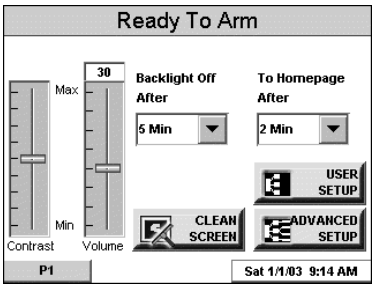
FA700KP-ADS Setup

Setup allows you to adjust the TouchCenter contrast and/or adjust the FA700KP-ADS speaker volume. You may also select the time interval that must pass prior to the FA700KP-ADS going into screen saver mode (screen goes blank). Additionally, you may enter the **User Setup** screen, **Advanced Setup** screen, or **Clean Screen** (maintenance mode) from the "Setup" screen by pressing the corresponding button.

Access the "Setup" screen as follows:

1. From the "Home" screen, press the **SECURITY** button. The "Arming" screen is displayed.

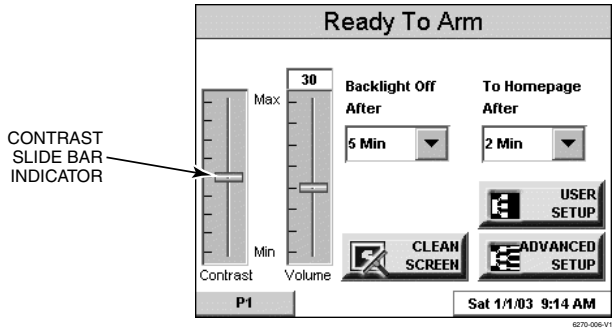
SCREEN	ACTION
	2. Press the **MORE CHOICES** button. The "More Choices" screen is displayed.

SCREEN	ACTION
	3. Press the **SETUP** button on the "More Choices" screen. The "Setup" screen is displayed.
	4. Adjust the TouchCenter options as described in the paragraphs that follow.

How to Adjust the TouchCenter Contrast

You may adjust the TouchCenter contrast as follows:

If…	***Then…***
you want to increase contrast	press the slide bar above the current contrast setting.
you want to decrease contrast	press the slide bar below the current contrast setting.
another adjustment or selection is to be made	go to the corresponding paragraph in this section.
no additional adjustment or selection is to be made	press the BACK button, or press the HOME button on the FA700KP-ADS to return to your home screen.

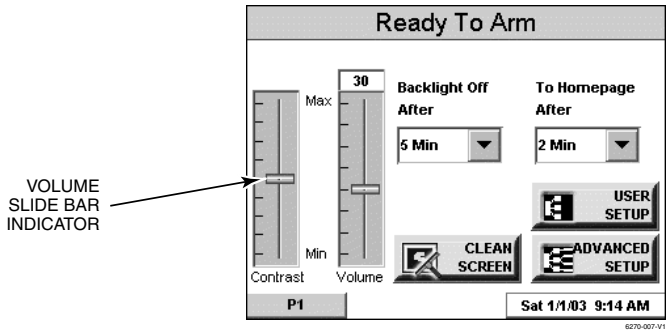


TouchCenter Contrast Control

How to Adjust the Volume

You may adjust the FA700KP-ADS speaker volume by pressing your finger on the TouchCenter slide bar associated with the "Volume" scale and doing the following:

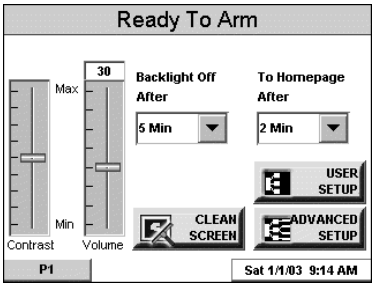
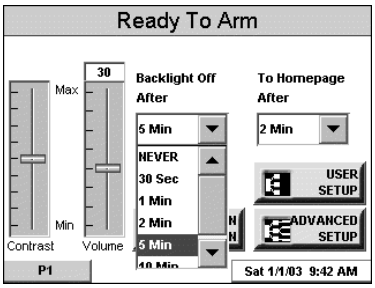
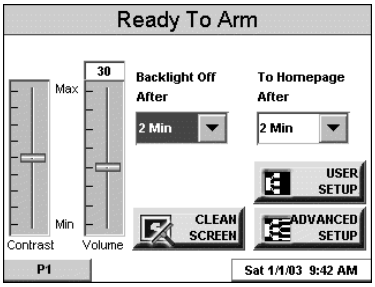
If…	***Then…***
you want to increase volume	press the slide bar above the current volume setting.
you want to decrease volume	press the slide bar below the current volume setting.

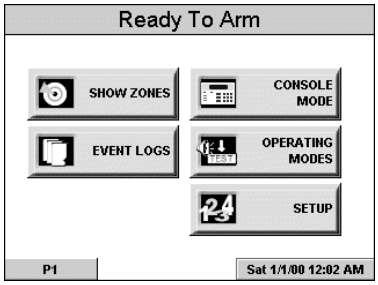


Volume Control

How to Select Screen Saver Activation Time

When the FA700KP-ADS is not armed and not active, it will automatically turn the backlight off after the selected backlight off time has expired (unless never option is selected). To select the screen backlight time, do the following:

SCREEN	ACTION
	1. Press the **Backlight Off After:** "arrow" button. A pull-down menu displaying the time period options is displayed.
	2. Select the time period option you want by pressing it. The pop-up window closes automatically and the selection is displayed in blue. **Note:** Additional options can be viewed by using the up/down "arrows" to scroll through the time period options.
	3. Press either the "Home" or "Back" button. A **Settings Changed!** pop-up window is displayed asking "**Settings Changed! Remember New Settings?**" Select **Yes** to save the change or **No** to discard the change.

SCREEN	ACTION
	When the Update is complete the FA700KP-ADS goes to the "Home" screen or "More Choices" screen depending on whether you pressed the "Home" or "Back" button, respectively ("More Choices" screen shown).

How to Set the Time and Date

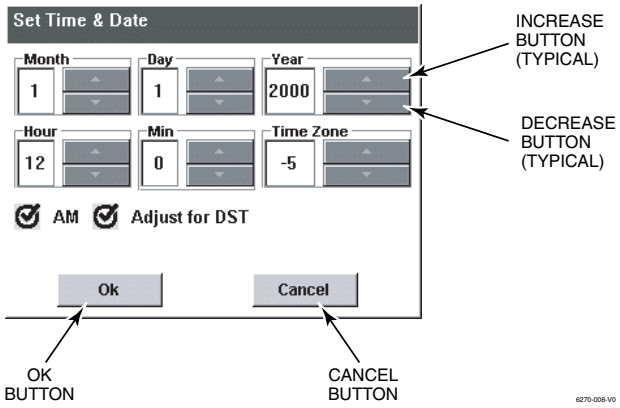
You can set the time and date from the **Set Time & Date** screen. Pressing the Time and Date bar located at the bottom of each FA700KP-ADS screen displays the **Set Time & Date** screen.

When the time is set it will be stored in the FA700KP-ADS only. The FA700KP-ADS will send the time to the control panel every hour. This 1-hour timer starts on FA700KP-ADS power-up.

If **Adjust for DST** (Daylight Savings Time) is selected, the FA700KP-ADS will adjust for Daylight Savings time. When selected, the next time the 1-hour timer expires, the new value will be sent to the control panel.

IMPORTANT: This means that the FA700KP-ADS setting will override and overwrite the control panel time setting. That is, if the control panel is set to DST and adjusts but the FA700KP-ADS is not, upon the 1-hour timer expiration, the control panel will be updated to the current time that is not adjusted for DST.

From the **Set Time & Date** screen, adjust either or both the time and date by pressing the increase or decrease arrow buttons as necessary until the proper month, day, year, hour, and minute are displayed.



Set Time & Date Screen

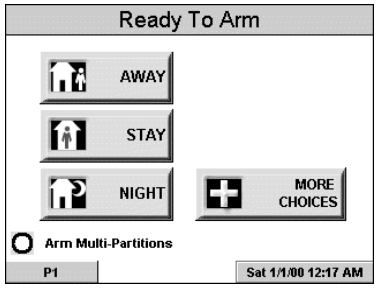
When all settings have been completed, select **Ok** to save the settings or **Cancel** to discard the settings that have been entered.

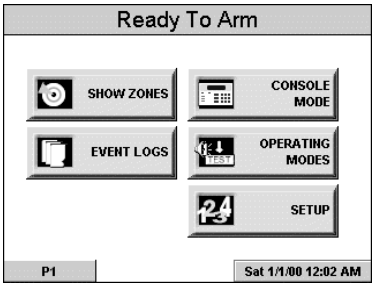
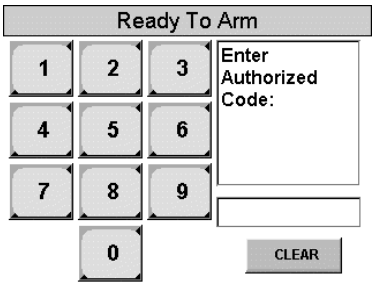
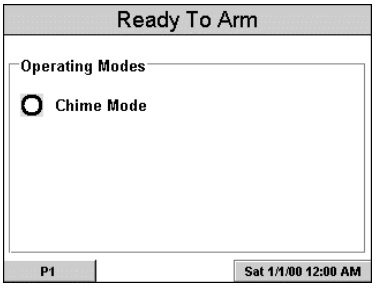
Setting Chime Mode On/Off

Operating modes allows you to turn the FA700KP-ADS chime mode on or off. When the chime mode is selected, a request is sent to the alarm panel requesting that the panel chime the FA700KP-ADS whenever an entry/exit or perimeter zone is opened.

Access the "Operating Modes" screen as follows:

1. From the "Home" screen, press the **SECURITY** button. The "Arming" screen is displayed.

SCREEN	ACTION
	2. Press the **MORE CHOICES** button. The "More Choices" screen is displayed.

SCREEN	ACTION
	3. Press the **OPERATING MODES** button on the "More Choices" screen. The "User Authorization" screen is displayed with the instructions "**Enter Authorized Code**".
	4. Enter your “Installer” code. The "Operating Modes" screen is displayed.
	5. Touch the Chime Mode button to turn the Chime Mode on or off. A checkmark appears in the button when the Chime Mode is “ON”. Press the “HOME” or “BACK” button after making your selection. When the FA700KP-ADS exits the “Operating Modes” screen, your selection is saved.

SECTION 5

User Codes

In This Section

- *Introduction to User Code Setup*
- *How to Access User Setup*

Introduction to User Code Setup

Each user must be assigned a name with a corresponding 4-digit user code in order to gain access to various features and functions. Through the FA700KP-ADS, you may program users to access any and all of the following systems:

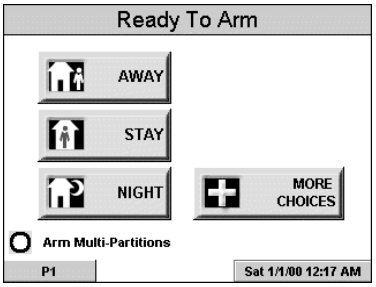
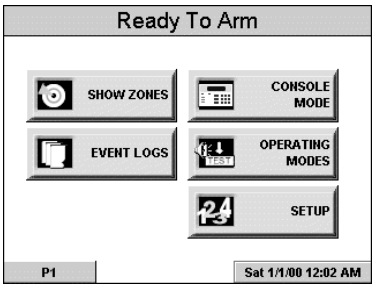
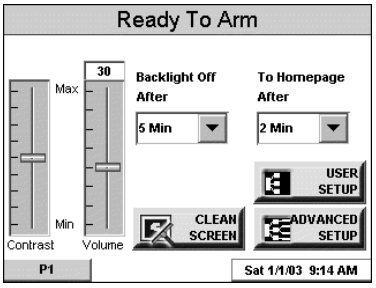
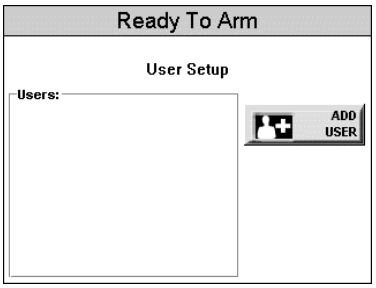
- Fire/Burglary (Security)
- Lighting
- Messages

Users for the systems are programmed in a central user setup location that provides the specific questions for the user pertaining to each system. You may want these users to be the same, but there are situations in which you may want a user to have access to one system (e.g., Messages) without having access to another (e.g., the Fire/Burglary system).

How to Access User Setup

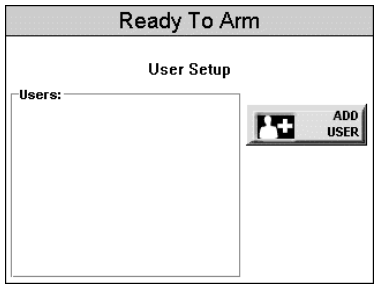
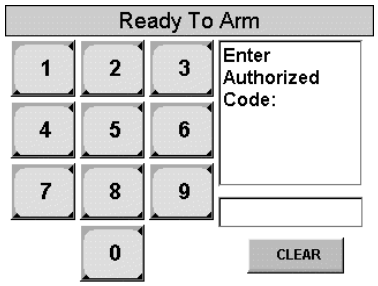
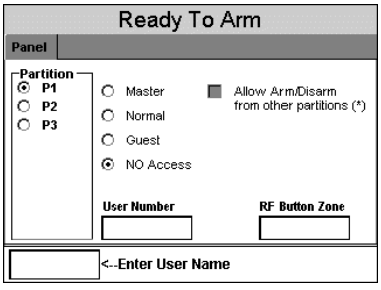
Access User Setup as follows:

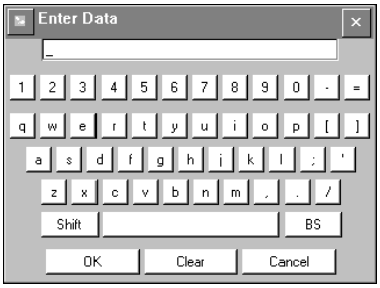
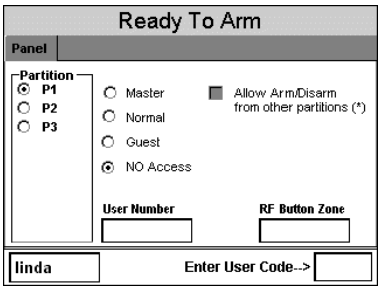
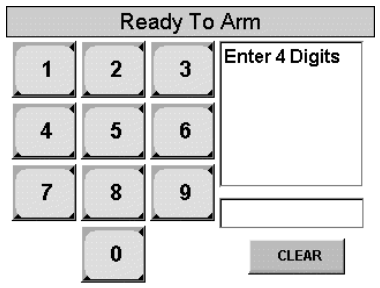
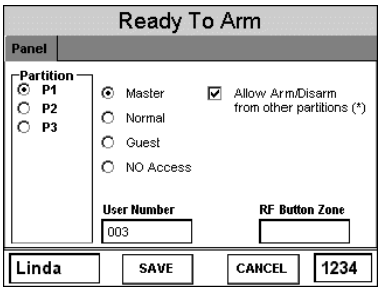
1. From the "Home" screen, press the **SECURITY** button. The "Arming" screen is displayed.

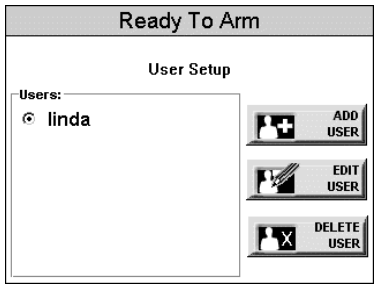
SCREEN	ACTION
	2. Press the **MORE CHOICES** button. The "More Choices" screen is displayed.
	3. Press the **SETUP** button on the "More Choices" screen. The "Setup" screen is displayed.
	4. Press the **USER SETUP** button on the “Setup” screen. The User Setup screen is displayed.
	

How to Add a User

Add a User as follows:

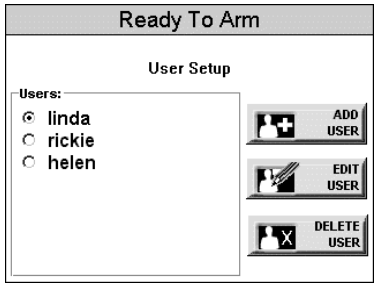
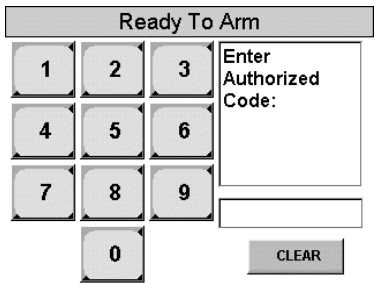
SCREEN	ACTION
	1. To add a user, press the **ADD USER** button. The "User Authorization" screen is displayed with the instructions "**Enter Authorized Code**".
	2. Enter your Authorized code. The "User Options" screen is displayed. **Note:** The authorized code for adding users is dependent upon the alarm panel you are interfacing with. Check your alarm panel Installation and Setup Guide to determine who can add users.
	3. Press the box next to **Enter User Name**. The **Enter Data** keyboard screen is displayed.

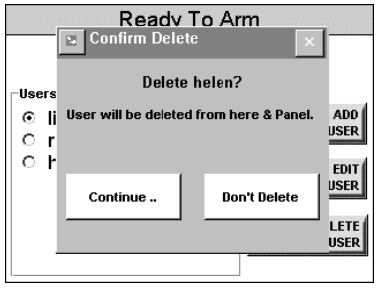
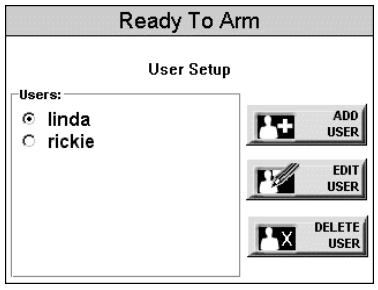
SCREEN	ACTION
	4. Type in the user name (6 characters max.) and press the **OK** button. The "User Options" screen is displayed with **Enter User Code…** displayed.
	5. Touch the box next to **Enter User Code…** The "User Authorization" screen is displayed with the instructions "**Enter 4 Digits**".
	6. Enter the 4-digit code for this user. The "User Options" screen is displayed with the user's name and code displayed.
	7. Select the partitions, access level, and enter a user number for this user. If assigning this user to wireless key, enter one of the zone numbers of the keyfob (the wireless key must be programmed first before it can be assigned to a user). **UL** Wireless keys MUST NOT be used in UL installations.

SCREEN	ACTION
	8. Press the **Save** button. The system will save the configuration. When the save is complete, the **User Setup** screen is displayed with the new user's name shown.

How to Delete a User

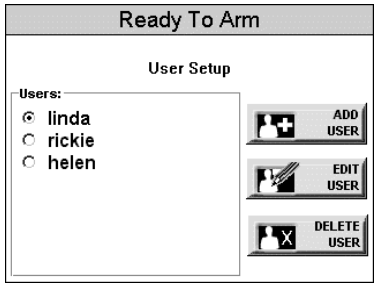
Delete a User as follows:

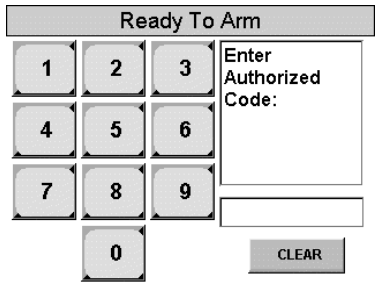
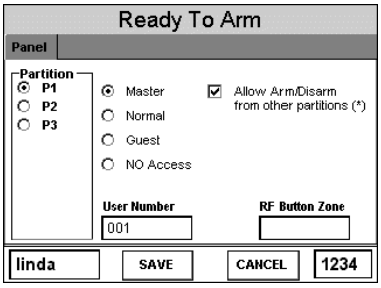
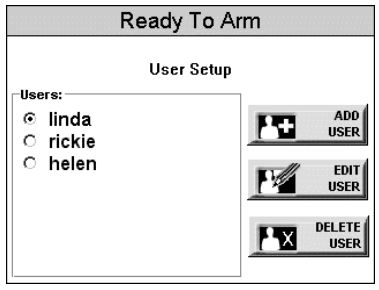
SCREEN	ACTION
	Three selections are available: add a user, edit a user, or delete a user. 1. To delete a user, touch the circle next to the user to be deleted and press the **DELETE USER** button. The "User Authorization" screen is displayed with the instructions "**Enter Authorized Code**".
	2. Enter your Authorized code. The **Confirm Delete** screen is displayed. **Note:** The authorized code for deleting, adding, and editing users is dependent upon the alarm panel you are interfacing with. Check your alarm panel Installation and Setup Guide to determine who can delete, add, and edit users.

SCREEN	ACTION
	3. Press the appropriate button. The **User Setup** screen is displayed.
	

How to Edit a User

Edit a User as follows:

SCREEN	ACTION
	Three selections are available: add a user, edit a user, or delete a user. 1. To edit a user, touch the circle next to the user to be edited and press the **EDIT USER** button. The "User Authorization" screen is displayed with the instructions "**Enter Authorized Code**".

SCREEN	ACTION
	2. Enter your Authorized code. The "User Options" screen is displayed. **Note:** The authorized code for deleting, adding, and editing users is dependent upon the alarm panel you are interfacing with. Check your alarm panel Installation and Setup Guide to determine who can delete, add, and edit users.
	3. Select whatever options you wish to select for this user and press the **Save** button. The configuration changes are saved and you are returned to the **User Setup** screen.
	

Maintenance

In This Section

♦ *About FA700KP-ADS Maintenance*

♦ *How to Clean the FA700KP-ADS*

♦ *Routine Care*

About FA700KP-ADS Maintenance

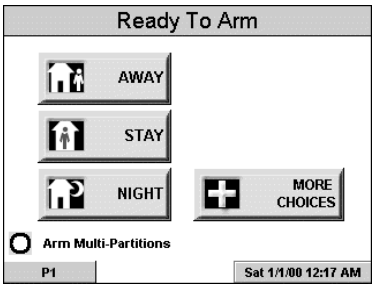
With the exception of normal cleaning, the FA700KP-ADS is maintenance free.

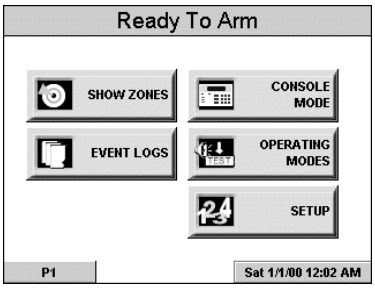
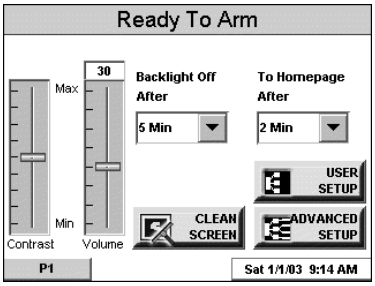
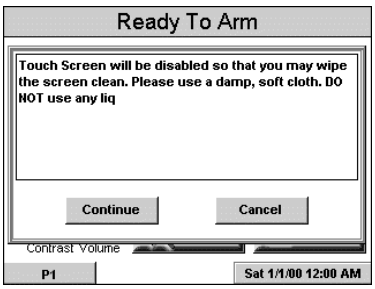
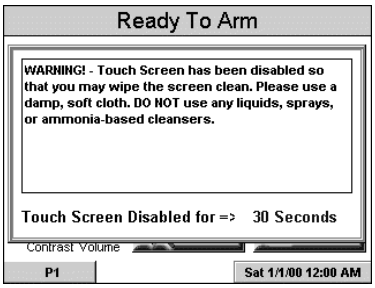
How to Clean the FA700KP-ADS

IMPORTANT: Do not use an abrasive cleaning agent or abrasive cloth when cleaning the FA700KP-ADS or damage to the TouchCenter may occur.

Clean the FA700KP-ADS as follows:

1. From the "Home" screen, press the **SECURITY** button. The "Arming" screen is displayed.

SCREEN	ACTION
	2. Press the **MORE CHOICES** button. The "More Choices" screen is displayed.

SCREEN	ACTION
	3. Press the **SETUP** button on the "More Choices" screen. The "Setup" screen is displayed.
	4. Press the **CLEAN SCREEN** button. A pop-up window displaying "**Touch Screen will be disabled so that you may wipe the screen clean. Please use a damp, soft cloth. DO NOT use any liquids, sprays, or ammonia-based cleansers. Press CONTINUE to disable touchscreen.** When the **Continue** button is pressed the "**Touch Screen Disabled for => 30 Seconds**". During these 30 seconds the TouchCenter should be wiped clean of fingerprints using a mild soap solution and a soft cloth. When the counter reaches zero, the window automatically closes and the TouchCenter is active. **Note:** Do not spray cleaning agent directly on the screen, spray it on cloth then wipe surface area.
	
	

Routine Care

- Treat the components of the security system as you would any other electrical equipment. Do not slam sensor-protected doors or windows.
- Keep dust from accumulating on the keypad and all protective sensors, particularly on motion sensors and smoke detectors.
- The keypad and sensors should be cleaned carefully with a dry soft cloth. ***Do not spray water or any other fluid on the units.***

SECTION 7

Troubleshooting

In This Section

- *Troubleshooting*
- *Performing Diagnostics*
- *Diagnostics*

Troubleshooting

For troubleshooting procedures, refer to the Control Panel Installation Guide.

Diagnostics

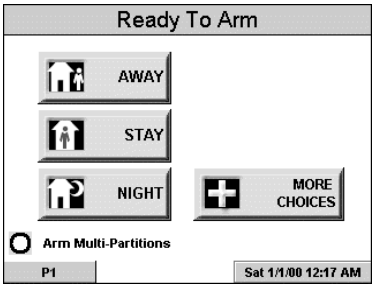
About Diagnostics

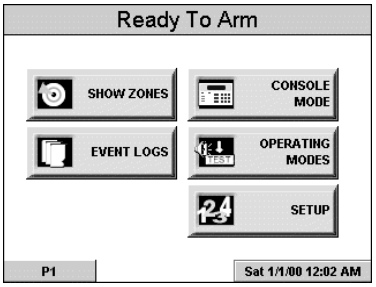
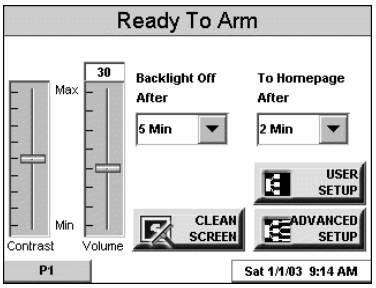
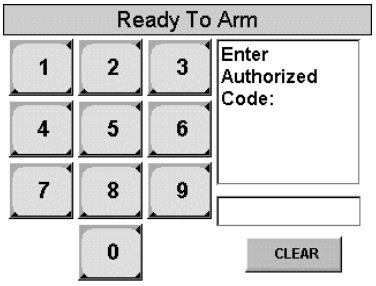
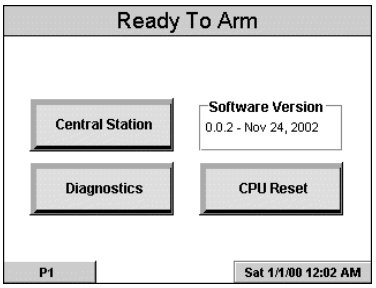
A series of diagnostic tests are provided that allows verification of correct operation of the FA700KP-ADS and its connections to the security system. There are a total of three diagnostic tests.

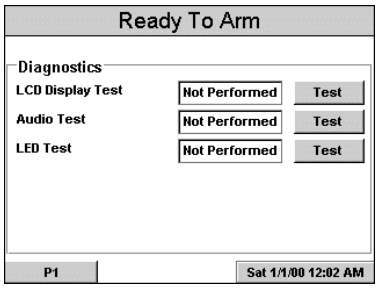
How to Access the Diagnostics

To access diagnostics, do the following:

1. From the "Home" screen, press the SECURITY button. The "Arming" screen is displayed.

SCREEN	ACTION
	2. From the " Arming" screen press the **MORE CHOICES** button. The "More Choices" screen is displayed.

SCREEN	ACTION
	3. Press the **SETUP** button on the "More Choices" screen. The "Setup" screen is displayed.
	4. Press the **Advanced Setup** button on the "Setup" screen. The **Enter Authorized Code:** authorization screen is displayed.
	5. Enter your 4-digit Installer code. The "Advanced Setup" menu screen is displayed.
	6. Press the **Diagnostics** button on the "Advanced Setup" menu screen. The "Diagnostics" screen is displayed.

SCREEN	ACTION
	

Performing Diagnostics

Select any diagnostic test from the Diagnostics screen by pressing its associated **Test** button. All or any individual test may be run when you access the Diagnostics screen; however, each test must be performed one at a time.

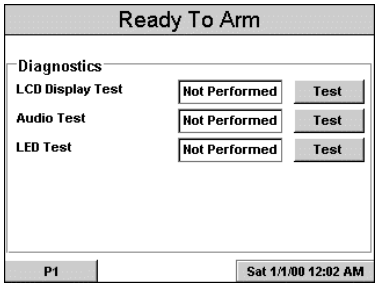
At any time when a test is not being performed, you can press:

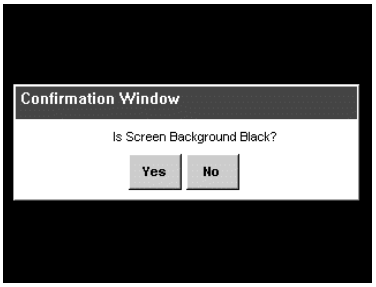
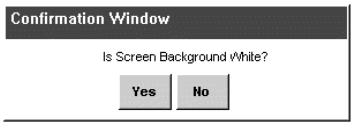
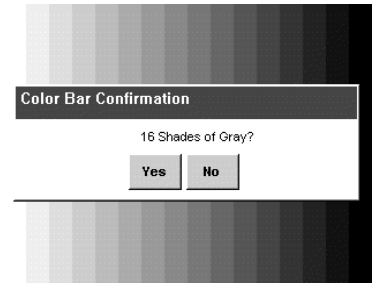
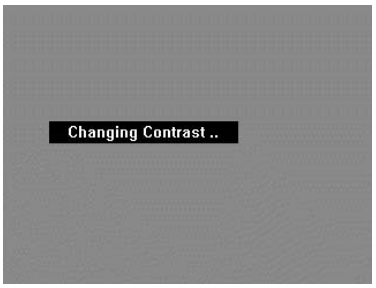
- the back button to return to the previous screen, or
- the home button to return to your home page.

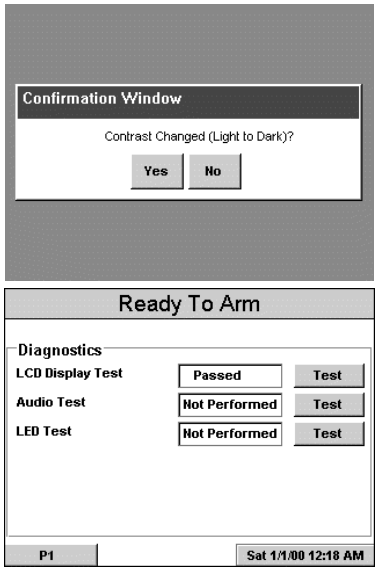
Once the Diagnostics screen is exited, subsequent entry to this screen displays all test options as "Not Performed."

LCD Display Test

Perform the LCD Display Test as follows:

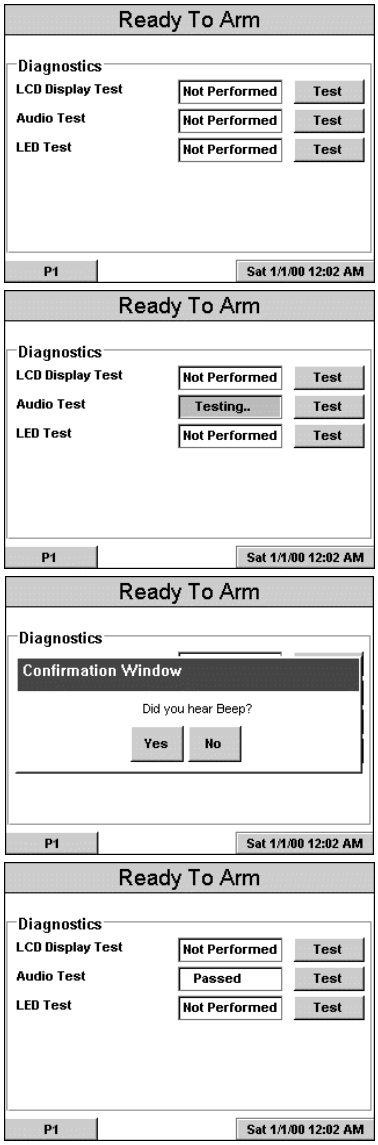
SCREEN	ACTION
	1. When you press the Test button associated with the LCD Display Test, a pop-up "Confirmation Window" is displayed in the center of the screen with an all black background. Within the Confirmation Window the question "Is Screen Background Black?" is displayed.

SCREEN	ACTION
	2. When you press the **Yes** or **No** button accordingly, automatically a pop-up "Confirmation Window" is displayed in the center of the screen with an all white background. Within the Confirmation Window the question "Is Screen Background White?" is displayed.
	3. When you press the **Yes** or **No** button accordingly, automatically a pop-up "Confirmation Window" is displayed in the center of the screen with the background in 16 shades of gray. Within the Confirmation Window the question "16 Shades of Gray?" is displayed.
 	4. When you press the **Yes** or **No** button accordingly, automatically the contrast test begins from light to dark. "Changing Contrast.." is displayed in the center of the screen during this time. At the conclusion of the contrast test a Pop-Up Confirmation Window is displayed in the center of the screen. Within the Confirmation Window the question "Contrast Changed (Light to Dark)?" is displayed.

SCREEN	ACTION
	5. When you press the **Yes** or **No** button accordingly, the "Diagnostics" screen is displayed with the LCD Display Test results ("Passed" or "Failed") shown in the test status column. **Note:** If the response was no (the **No** button is pressed) to any question of this test, when the system is returned to the Diagnostics screen, "Failed" is displayed in test status column.

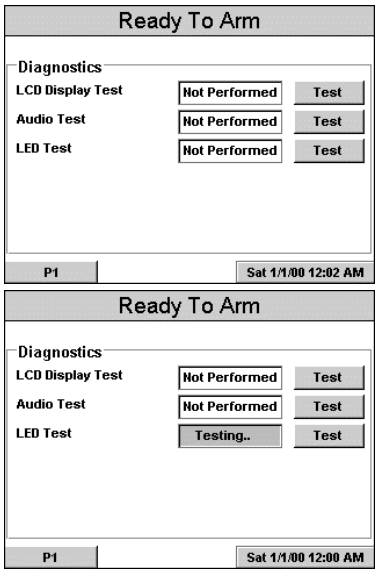
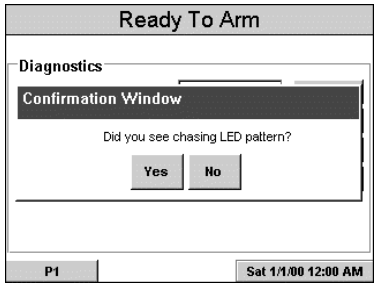
Audio Test

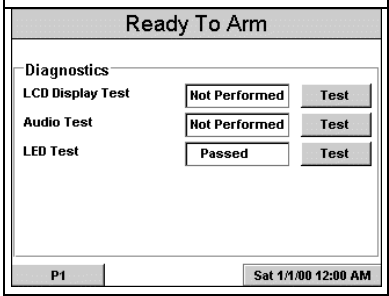
Perform the Audio Test as follows:

SCREEN	ACTION
	When you press the **Test** button associated with the Audio Test "Testing.." is displayed in the test status column on the "Diagnostics" screen while beeps sound from the speaker. At the conclusion of the test, a pop-up "Confirmation Window" is displayed in the center of the "Diagnostics" screen. Within the Confirmation Window the question "Did you hear Beep?" is displayed. When you press the **Yes** button, "Passed" is displayed in the test status column on the "Diagnostics" screen. When you press the **No** button, "Failed." is displayed in the test status column on the "Diagnostics" screen.

LED Test

Perform the LED Test as follows:

SCREEN	ACTION
	1. When you press the **Test** button associated with the LED Test, "Testing.." is displayed in the test status column on the "Diagnostics" screen while the 3 LEDs light sequentially, top to bottom (red, green, amber), 5 times. At the conclusion of the test, a pop-up "Confirmation Window" is displayed in the center of the "Diagnostics" screen.
	2. Within the Confirmation Window the question "Did you see chasing LED pattern?" is displayed. If you press the **Yes** button, "Passed" is displayed in the test status column on the "Diagnostics" screen. If you press the **No** button, "Failed" is displayed in the test status column on the "Diagnostics" screen.

SCREEN	ACTION
	

Specifications

Specifications

MECHANICAL	
Dimensions:	
Width:	6 1/4 inches
Height:	5 inches
Depth:	1 1/8 inches
ELECTRICAL	
Operating Voltage:	+12VDC
Current Drain:	
Backlight OFF, Sound OFF	180mA
Backlight ON, Sound OFF	220mA
Backlight ON, Sound ON	280mA

SECTION 9

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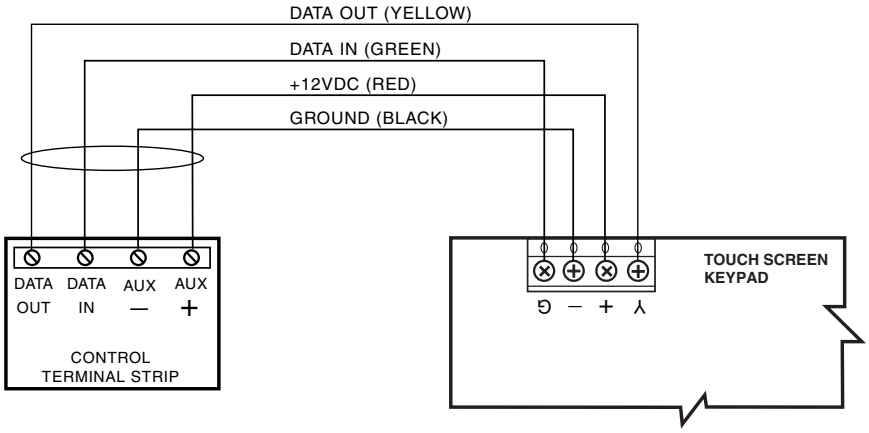
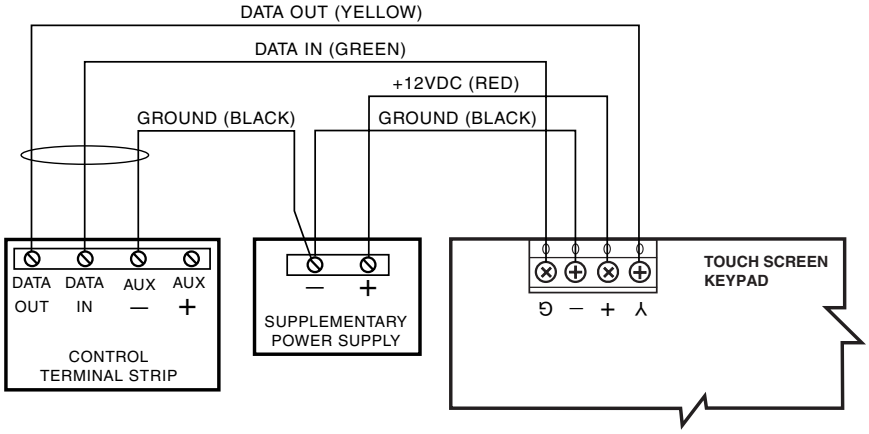


POWERING THE TOUCH SCREEN KEYPAD FROM THE CONTROL



POWERING THE TOUCH SCREEN KEYPAD FROM A SUPPLEMENTARY POWER SUPPLY

6270-004-V1

UL Use a Listed Class 2 power supply suited for the application.

Summary of Connections

LIMITED WARRANTY

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